The Washington Post

THE WASHINGTON POST

Tom Toles Report: One third of all species could be extinct in 50 years due to global warming. THE SCENERY ISN'T LIKE IT WAS IN THE SUV COMMERCIAL. Off-Road Kill ABOUT ELEVEN @ 2004 THE WATHINGTON DOST SPECIES PERGALLON



Cost of global warming: 1 million species

The Washington Post

Warming May Threaten 37% of Species by 2050

THE SUN

Broad study on climate envisions extinctions

San Jose Alercury News

Study: Global warming to doom many species

IT MAY BE WORSE THREAT THAN HABITAT LOSS

San Francisco Chronicle

Dire warming warning for Earth's species









How Di made us into conspiracy theorists Catherine Bennett in G2



lastact The inside story of a stage flop In G2

Footballer to design genius InG2

Craig Johnston 2004 - a hectic vear in space In Life Plus Online & jobs

Thursday January 8 2004 Published in London quardian co.uk

The Guardian

An unnatural disaster

Global warming to kill off 1m species

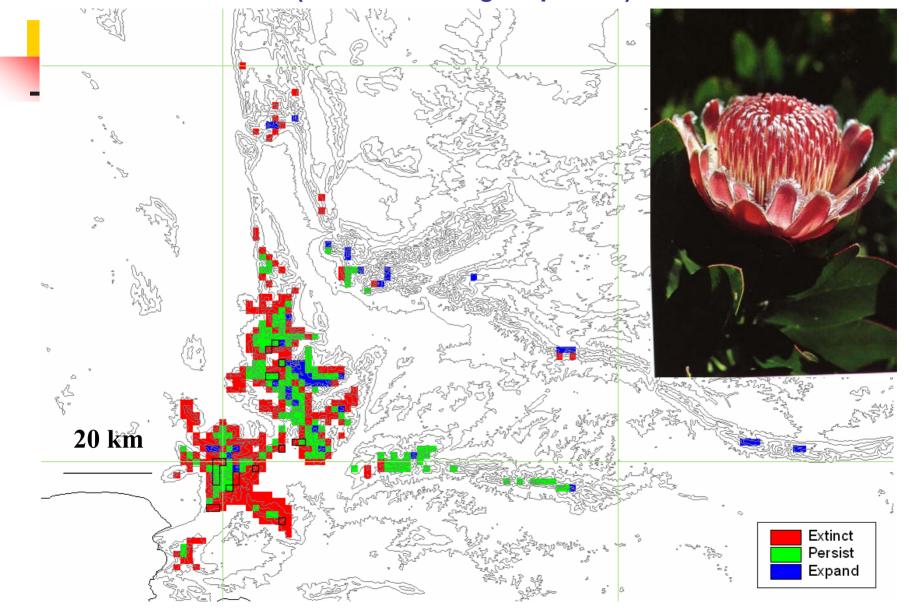
Scientists shocked by results of research

1 in 10 animals and plants extinct by 2050



24. Eastern Arc Twin Hotspots Mountains and Coastal Forests of Kenya and Tanzania 22. Guinean Forests of West Africa 19. Succulent azil's tic Forest Karoo 3. Mada Indian C 9. Cape Floristic Region Islands of South Africa

Protea lacticolor distribution: current and future (CSM Excluding sulphates)





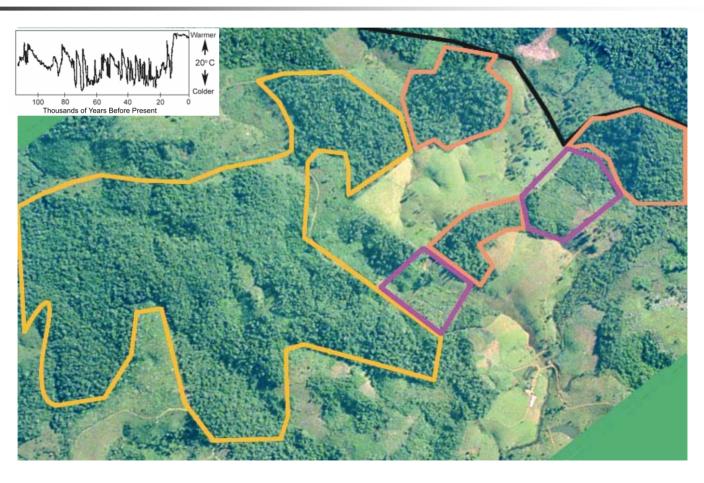
Common Questions

- Is a million an accurate number?
- Are these extinctions inevitable?
- What about the ice age?

Are a million species at risk?



Why the past is no consolation



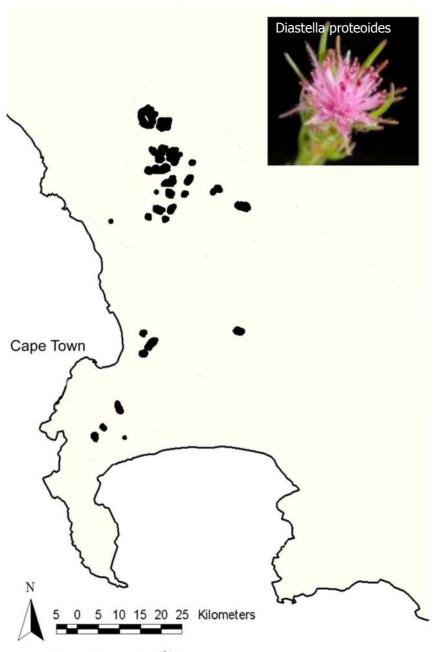
The Models

'Niche' models:

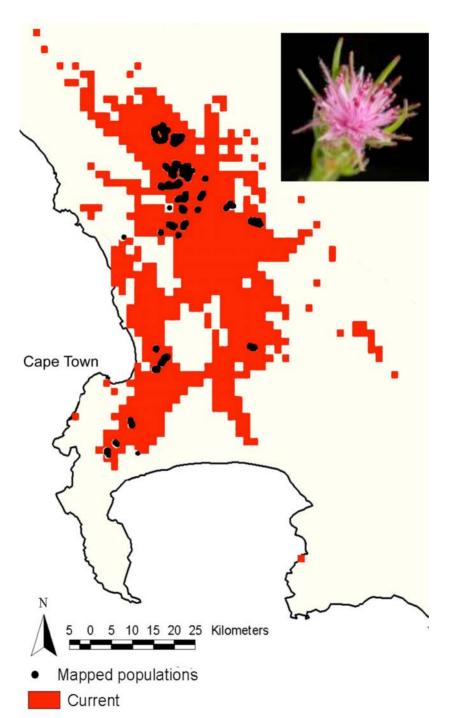
- GAM
- GARP
- ANN
- Genetic Algorithms

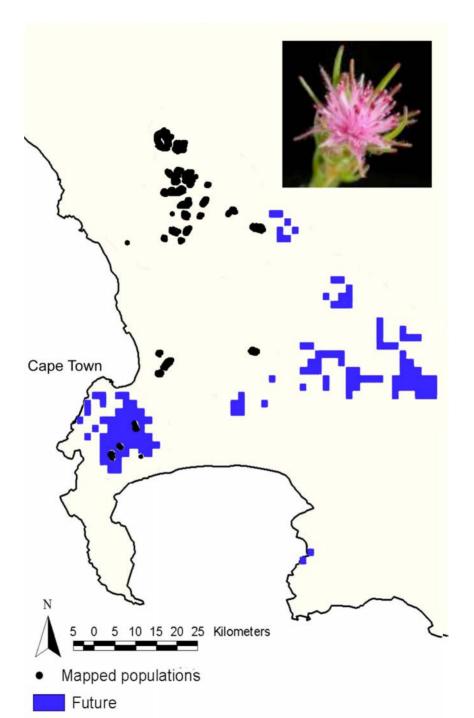
Their Limitations

- Dispersal
- Competition
- Disturbance Regimes



Mapped populations





A New Approach for California– Hybrid Models

- Dynamic Vegetation Models
- Disturbance Regime Models
- Gap Models
- Competition Models (e.g., FATE)
- Dispersal models (BioMove)
- Combined elements in a landscape framework (LAMOS)



Extinctions are not inevitable

Improved conservation strategies

 Limiting greenhouse gas concentrations